

Student Council is holding a car wash.

They charge \$3 per car and \$5 per van.

Suppose they wash c cars and v vans.

***Write an expression to show the total money Student Council collects.**





Vocabulary alert!

There are two **terms** in this expression.

$$3c + 5v$$

Terms are parts of an expression separated by a + or - sign.

What are the two terms in the expression?

Parts of an Expression

How can you describe the parts of an expression?

There are special words you can use to identify parts of numerical expressions and algebraic expressions. Remember that a fraction bar also means *divide*.

$$12r + \frac{r}{2} - 19$$

Each part of an expression that is separated by a plus or a minus sign is called a **term**.

$$12r + \frac{r}{2} - 19$$

terms

$12r + \frac{r}{2} - 19$ has three terms.
The terms are $12r$, $\frac{r}{2}$, and 19 .

A coefficient is a number that is multiplied by a variable.

$$12r$$

coefficient

In the term $12r$, 12 is the coefficient of r .
In this product, both 12 and r are factors.

$$12r$$

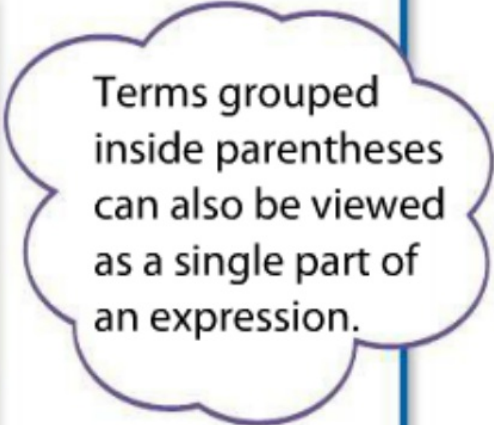
product

factors

Other Examples

The table shows other ways to describe, read, and write expressions. Sometimes, you can view one or more parts of an expression as a single entity.

Expression	Description	Word Phrase
$4(7 + 11)$	This expression has two factors. One factor is 4, and the other is the sum $7 + 11$.	4 times the sum 7 plus 11
$\frac{x}{6}$	This expression is the quotient x divided by 6.	x divided by 6
$f - 3$	This expression is the difference $f - 3$.	3 less than f or f minus 3
$15g$	In this expression, the coefficient of g is 15.	15 times a quantity g



Terms grouped inside parentheses can also be viewed as a single part of an expression.

Factors are numbers that being multiplied.

The **product** is the answer to a multiplication expression.

What part of $2x + 4$ is a product?

What are the factors?

Do you know **HOW?**

Describe each expression.

1. $b + 10$

2. $6(s + 2)$

3. $r \div 9$